

# WATER WELL REPORT

STATE OF WASHINGTON

Application No. ....

Permit No. ....

(1) OWNER: Name City of Tacoma-Water Div. Address P.O. Box 11007 Tacoma, Wa. 98411

(2) LOCATION OF WELL: County Pierce — SW  $\frac{1}{4}$  SW  $\frac{1}{4}$  Sec. 6 T. 20 N. R. 3E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐  
Irrigation ☐ Test Well ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well 1  
(if more than one) ...  
New well ☒ Method: Dug ☐ Bored ☐  
Deepened ☐ Cable ☒ Driven ☐  
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.  
Drilled 316 x 320 ft. Depth of completed well 306 ft.

## (6) CONSTRUCTION DETAILS:

Casing installed: 12" Diam. from 0 ft. to 306 ft.  
Threaded ☐ " Diam. from " ft. to " ft.  
Welded ☒ " Diam. from " ft. to " ft.

Perforations: Yes ☒ No ☐  
Type of perforator used Mills Knife  
SIZE of perforations 1/4 in. by 3 in.  
60 perforations from 301 ft. to 306 ft.  
120 perforations from 257 ft. to 267 ft.  
perforations from " ft. to " ft.

Screens: Yes ☒ No ☐  
Manufacturer's Name Hydro-Phylics  
Type Plastic Model No. ....  
Diam. 4" Slot size 40th from 257 ft. to 267 ft.  
Diam. " Slot size " from " ft. to " ft.

Gravel packed: Yes ☒ No ☐ Size of gravel: 3/8 Minus  
Gravel placed from 257 ft. to 267 ft.

Surface seal: Yes ☒ No ☐ To what depth? 20+ ft.  
Material used in seal Bentonite  
Did any strata contain unusable water? Yes ☐ No ☒  
Type of water? " Depth of strata " 291'-316'  
Method of sealing strata off Bentonite Plug

(7) PUMP: Manufacturer's Name Peabody Barnes  
Type: Submersible (sampling only)

(8) WATER LEVELS: Land-surface elevation 385 ft.  
above mean sea level. ....  
Static level 161.67 ft. below top of well Date 10-22-82  
Artesian pressure none lbs. per square inch Date n/a  
Artesian water is controlled by n/a (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level  
Was a pump test made? Yes ☒ No ☐ If yes, by whom? City  
Yield: 88 gal./min. with 6.67 ft. drawdown after 2.65 hrs.  
" 205 " 16.17 " 6.65 "  
" 269 " 20.83 " 7.15 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	177.8'	20 Min.	166.2		
10 Min.	167.1'	25 Min.	165.7		
15 Min.	166.6'				

Date of test 10-22-82  
Bailer test: " gal./min. with " ft. drawdown after " hrs.  
Artesian flow None g.p.m. Date N/A  
Temperature of water 50° Was a chemical analysis made? Yes ☒ No ☐

## (10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Till	0	5
Cemented sand & gravel	5	73
Round rock	73	85
Large cobbles & very coarse gravel	85	95
Silty coarse sand & gravel	95	105
Coarse sand	105	113
Cobbles & coarse gravel	113	120
Medium sand w/a few small rock	120	157
Compact, sharp edged sand	157	179
Packed sand w/cobbles	179	201
Hard boulders & cobbles	201	215
Cobbles, heavy gravel, some sand	215	225
Hard, compact rock, coarse gravel & sand	225	233
Clay & sand	233	239
Medium grain sand	239	255
Sandy gravel, 1"-3" & cobbles	255	260
Medium coarse gravel	260	267
Cemented sand & gravel	267	285
Hard packed sand	285	295
Sandy clay w/gravel	295	302
1/2"-1/2" round gravel	302	306
Solid blue clay & water	306	316

(182'-233') small aquifer  
very ~~small~~ small quantity of water;  
sealed off by clay from 233-239  
(239'-267') Largest of aquifers  
encountered and pump tested

(302'-306') small aquifer, short  
pump test indicated low specific  
capacity. This zone was sealed off  
using a 25' plug of bentonite clay  
291'-316'

Work started 9-3, 19 82 Completed 10-29, 19 82

## WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Richardson Well Drilling Co.  
(Person, firm, or corporation) (Type or print)

Address P.O. Box 44427 Tacoma, Wa. 98444

[Signature] (Well Driller)

License No. 223-02-6500 Date 11-29, 19 82